



# Recombinant Protein Technical Manual

## Recombinant Human FKBP4 Protein (His Tag)

RPES1603

### Product Data:

**Product SKU:** RPES1603

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q02790

### Protein Information:

**Molecular Mass:** 52.8 kDa

**AP Molecular Mass:** 58 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris, 10% glycerol, pH 8.0.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Peptidyl-prolyl cis-trans isomerase FKBP4; 51kDa FK506-binding protein; 51kDa FK506-binding protein; 59kDa immunophilin; FK506-binding protein 4; FKBP59; HSP-binding immunophilin; immunophilin FKBP52; Rotamase; FKBP4

## Immunogen Information:

**Sequence:** Met 1-Ala459

## Background:

FKBP4 act as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. FKBP4 may play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments, it also may have a protective role against oxidative stress in mitochondria. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening.